

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Atty Dkt. 2764-34

C# M#

RAMOS et al.

TC/A.U.

1764

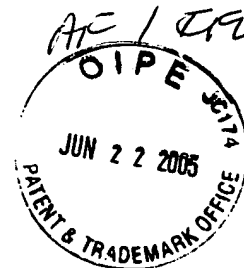
Serial No. 09/725,165

Examiner: Leung, J.

Filed: November 29, 2000

Date: June 22, 2005

Title: SEALING SYSTEM FOR CYCLONE LEG



Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL REQUEST FOR RECONSIDERATION

This is a response/amendment/letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

☐ **Correspondence Address Indication Form Attached.****Fees are attached as calculated below:**

Total effective claims after amendment 5 minus highest number
previously paid for 20 (at least 20) = 0 x \$50.00 \$0.00 (1202)/\$0.00 (2202) \$

Independent claims after amendment 1 minus highest number
previously paid for 3 (at least 3) = 0 x \$200.00 \$0.00 (1201)/\$0.00 (2201) \$

If proper multiple dependent claims now added for first time, (ignore improper); add
\$360.00 (1051)/\$180.00 (2051) \$

Petition is hereby made to extend the current due date so as to cover the filing date of this

paper and attachment(s) One Month Extension \$120.00 (1251)/\$60.00 (2251)

Two Month Extensions \$450.00 (1252)/\$225.00 (2252)

Three Month Extensions \$1020.00 (1253)/\$510.00 (2253)

Four Month Extensions \$1590.00 (1254)/\$795.00 (2254) \$ 0.00

Terminal disclaimer enclosed, add \$130.00 (1814)/\$65.00 (2814) \$

☐ Applicant claims "small entity" status. ☐ Statement filed herewith

Rule 56 Information Disclosure Statement Filing Fee \$180.00 (1806) \$

Assignment Recording Fee \$40.00 (8021) \$

Other: \$

TOTAL FEE ENCLOSED \$ 0.00

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

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NIXON & VANDERHYE P.C.

By Atty: Michelle N. Lester, Reg. No. 32,331

Signature: 



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Atty. Ref.: 2764-34; Confirmation No. 8558

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* * * * *

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Sir:

SUPPLEMENTAL REQUEST FOR RECONSIDERATION

Supplemental to the Request for Reconsideration of June 15, 2005, kindly consider the following supplemental remarks.

On page 5 of the June 15, 2005 Response, it was noted that the specification acknowledges that the joining of the legs of a primary cyclone and a secondary cyclone, such that the solid materials collected by both cyclones is discharged by means of a single valve is a known technique. It should be noted, however, that the single teaching of this technique known to applicant and mentioned in the specification (a prior Brazilian application of same assignee) provides a valve at the end of a straight combined dipleg and that valve is provided outside (above) the fluidized catalyst bed. Thus, although the prior Brazilian application discloses joining the legs of a primary cyclone and a secondary cyclone, the assembly otherwise does not meet the specific

limitations of applicant's claims because the dipleg is straight, a mechanical valve is provided and the single dipleg terminates outside (above) the fluidized catalyst bed.

Although Kaulakis allegedly teaches in column 3 that the depicted cyclones may be comprised of more than one cyclone separator with diplegs which converge into a single common dipleg, this statement refers only to joining diplegs in the same stage. Kaulakis does not teach or suggest that it was known or considered obvious to join the diplegs of different stages. Such a teaching is found only in the Brazilian application mentioned on page 6 of applicant's specification. But that teaching is limited to the inclusion of a mechanical valve and a combined dipleg terminating outside (above) the fluidized bed, as noted above.

The other previously cited references likewise refer only to the joining of diplegs in the same stage.

The claims are in any event submitted to be distinct from the applied art for the reasons advanced on the June 14, 2005 response because *inter alia* Kaulakis provides a vertical riser downstream of the curved portion of the dipleg. Further, Jones temporarily holds the metal plate to seal the outlet of dipleg 16 so that there is a metal plate and the metal plate moves. This differs from applicant's claimed invention which has a terminal end is devoid of moving parts whatsoever. A temporary mechanical closure does not teach or suggest the absence of a mechanical closure.

For the reasons advanced in the June 15, 2005 response and for the further reasons advanced above, it is respectfully submitted that the present invention, having diplegs from primary and secondary cyclones joined, the common dipleg being immersed in the catalytic bed, and having a radius-curved single leg termination devoid of movable sealing parts, is not anticipated by obvious from the prior art of record.

RAMOS et al.
Appl. No. 09/725,165
June 22, 2005

Respectfully submitted,

NIXON & VANDERHYE P.C.

By:

A handwritten signature in black ink, appearing to read "Michelle N. Lester", written over a horizontal line.

Michelle N. Lester

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